

ABSTRACT OF THE DISCLOSURE

A relevancy ranking and clustering method and system that determines the relevance of a document relative to a user's query using a similarity comparison process. Input
5 queries are parsed into one or more query predicate structures using an ontological parser. The ontological parser parses a set of known documents to generate one or more document predicate structures. A comparison of each query predicate structure with each document predicate
10 structure is performed to determine a matching degree, represented by a real number. A multilevel modifier strategy is implemented to assign different relevance values to the different parts of each predicate structure match to calculate the predicate structure's matching degree. The
15 relevance of a document to a user's query is determined by calculating a similarity coefficient, based on the structures of each pair of query predicates and document predicates. Documents are autonomously clustered using a self-organizing neural network that provides a coordinate
20 system that makes judgments in a non-subjective fashion.